



a umicore company

Sodium Hypophosphite Crystal

Palm International's Sodium Hypophosphite Crystal is a clean, white, free-flowing, crystalline material. Decomposition from heat produces phosphine, a toxic, flammable gas. Palm's SHP is used as a reducing agent for electroless plating in the surface finishing industry. SHP has many applications including use as a catalyst in some polymerization reactions, a stabilizer to prevent degradation of polymers during extrusion, a partial flame retardant and other industrial applications.

Palm's SHP is the purest material available commercially and is made to demanding specifications and subjected to stringent quality control testing.

Store in a cool dry ventilated area away from foodstuffs. Keep containers tightly closed.



Concentration

102.0% - $\text{NaH}_2\text{PO}_2 \cdot \text{H}_2\text{O}$

Appearance

White Crystal

Contaminants

Measured in ppm

Analysis:

Parameter	Specification	Typical
Sodium Hypophosphite ($\text{NaH}_2\text{PO}_2 \cdot \text{H}_2\text{O}$)	> 101.0%	102.48%
Phosphite (Na_2HPO_3)	< 2800 ppm	1200 ppm
Sulphate	< 100 ppm	68 ppm
Calcium	< 40 ppm	16 ppm
Iron	< 1.8 ppm	0.4 ppm
Chloride	< 100 ppm	23 ppm
Heavy Metals	< 2 ppm	0.5 ppm
pH (40% water solution)		6-8

Shelf Life

If stored in it's original closed container in a cool dry ventilated area, SHP has and indefinite shelf life.

Packaging

25 Kg Bags

Storage / Safety

Store in a cool dry ventilated area away from oxidizing agents and foodstuffs. Handle as a dry crystalline powder using the proper safety apparel.